Morbidity and Mortality Weekly Report

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PUBLIC HEALTH SERVICE

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED NOVEMBER 7, 1964

EPIDEMIOLOGIC NOTES

ENCEPHALITIS

The 1964 cumulative total of cases of primary infectious encephalitis reached 2,878 the week ended November 7. There were 58 cases reported this week; 12 of these were from New Jersey. The epidemic in Camden and Burlington Counties, New Jersey and contiguous areas of Pennsylvania has apparently ended and these cases represent delayed reports.

RABIES

To date this year, only one case of human rabies has been reported (see MMWR, Vol. 13, No. 38). This case occurred in Minnesota and the biting animal was believed to have been a skunk. Fifty-six cases of rabies in animals were reported this week making the cumulative total thus far this year 3,914. This is somewhat higher than the 3,300 cases reported through the past 45 weeks of 1963 and the 3,222 cases which represent the median number of cases for the same period 1959-1963. The increased number of cases of animal rabies is largely accounted for by increased incidence of skunk rabies in the Midwest and fox rabies in Virginia and Tennessee.

This week, a special report on the significance of rabies in the Order Rodentia is included.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	45th Week Ended			Cumulative, First 45 Weeks		
	November 7, 1964	November 9, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	56	41	---	1,859	1,628	---
Brucellosis	1	2	11	347	317	511
Diphtheria	7	7	13	241	233	494
Encephalitis, primary infectious	58	23	---	2,878	1,366	---
Encephalitis, post-infectious	2		---	729		---
Hepatitis, infectious including serum hepatitis	666	805	805	33,087	37,499	37,499
Measles	1,885	1,606	1,904	442,175	366,988	397,137
Meningococcal infections	50	38	36	2,345	2,067	1,911
Poliomyelitis, Total	3	6	37	110	378	1,210
Paralytic	3	6	28	86	322	787
Nonparalytic	-	-	---	13	39	---
Unspecified	-	-	---	11	17	---
Streptococcal Sore Throat and Scarlet fever	7,180	6,090	---	340,340	291,140	---
Tetanus	4	10	---	244	242	---
Tularemia	5	2	---	291	259	---
Typhoid fever	38	9	11	401	473	715
Rabies in Animals	56	59	58	3,914	3,300	3,222

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Psittacosis: Tenn - 1	41
Botulism:	15	Rabies in Man:	1
Leptospirosis:	95	Smallpox:	-
Malaria: N.Y. City - 1, Pa - 1, Va - 1	87	Typhus-	
Plague:	-	Murine:	22
		Rky Mt. Spotted:	217

Figures for current week exclude missing report from Hawaii.

MARYLAND – Squirrel Rabies

On October 21, 1964, the Bureau of Laboratories of the Maryland State Department of Health confirmed a case of rabies in a gray squirrel by both fluorescent antibody and Sellers tests. The squirrel came from a home in Anne Arundel County which had adopted it during the first week of October. It had been found with a wounded paw and either bit or severely scratched nine people during the two weeks before its death on October 17 or 18. The body was discarded but recovered after one of the victims, bitten on October 16, sought the advice of a physician. All nine of the exposed individuals are now receiving duck embryo origin rabies vaccine. The Department of Game and Inland Fish is assisting in an animal trapping program in the area. This is but the second case of animal rabies found in Maryland during 1964. The first was a fox from Montgomery County found infected during September.

(Reported by Dr. J. Howard Beard, Anne Arundel County Health Officer, Annapolis, Maryland and Dr. Kenneth L. Crawford, Public Health Veterinarian, Division of Epidemiology, Maryland State Department of Health, Baltimore, Maryland.)

THE ROLE OF RODENTS IN THE EPIDEMIOLOGY OF RABIES

A substantial number of the humans bitten by animals receive their wounds from some member of the Order Rodentia. In most of these cases the perplexing question is whether or not the patient was exposed to rabies as a result of the bite. The following data are given to assist in the evaluation of this question.

The Order Rodentia is very large, both in numbers of species and numbers of individuals. It includes many species of rats and mice, both those found as pests in human habitats and the many and varied wild varieties: gophers, muskrats, voles, lemmings, porcupines, nutria, and beaver. Also included are the many members of the squirrel family: woodchucks (or groundhogs), marmots, prairie dogs, tree squirrels, ground squirrels, and chipmunks. Guinea pigs and hamsters are domesticated rodents.

Because they frequently bite, occasionally even when unprovoked, large numbers of rodents are examined for rabies by health laboratories each year. A review of the rabies examinations done at the laboratories of three State Health Departments during 1962 show that 21.5 percent of the animals examined were from the Order Rodentia (Table 1). The rodent species most often found biting man, and examined for rabies, are squirrels.

In spite of the relatively large number (Table 1) of rodents examined for rabies very few are found infected. For the 10 year period from 1954 through 1963, only 199 of the 47,211 laboratory confirmed cases of animal rabies reported in the United States were rodents (Table 2). This is 0.42 percent of the total number of rabid animals; the 82 squirrels reported infected during this period represents only 0.17 percent of the total. Thirteen different rodent species were reported rabies-positive during this 10 year period (Table 3). In the number of cases reported, squirrels were followed by woodchucks, rats, muskrats, mice, gophers, chipmunks, hamsters, beaver, porcupines, prairie dogs, flying squirrels and guinea pigs.

Table 1
RODENTS EXAMINED FOR RABIES AT THE LABORATORIES OF THREE STATE HEALTH DEPARTMENTS* – 1962

Animal	Number Examined	Number Positive
Beaver	1	–
Chipmunks	63	–
Gophers	64	–
Ground Hogs	4	–
Guineo Pigs	10	–
Homsters	157	–
Mice	74	–
Muskrats	21	–
Rats	106**	–
Squirrels	288	–
Voles	68	–
Woodchucks	2	–
	858	0
Total animals examined by these laboratories –		3975
Percent of rodents in the total animals sampled –		21.5%

*Arkansas, Minnesota, and Tennessee (During 1962, there were 501 cases of rabies in other wild life species in these 3 States)
**27 of these 106 were called "rats and mice"

Table 2
REPORTED LABORATORY CONFIRMED CASES OF RABIES IN ALL ANIMALS, RODENTS, AND SQUIRRELS 1954 – 1963

	All Animals	Rodents	Squirrels
1954	7276	19	8
1955	5839	12	10
1956	5836	29	11
1957	4796	28	15
1958	4808	40	20
1959	4077	13	1
1960	3455	18	6
1961	3467	13	5
1962	3725	11	1
1963	3932	16	5
Totals	47211	199	82
Percent of total confirmed rabies cases		0.42	0.17

Table 3
REPORTED LABORATORY CONFIRMED CASES OF RABIES IN RODENTS
1954 – 1963

	Guineo Pigs	Homsters	Mice	Rats	Squirrels	Flying Squirrels	Chipmunks	Gophers	Muskrats	Woodchucks*	Prairie dogs	Porcupines	Beaver	Total
1954				5	8			2		4				19
1955				1	10					1				12
1956			1	6	11		5	1	2	3				29
1957			3	2	15		2	1	2	2			1	28
1958		1	4	3	20			6	1	5				40
1959				5	1				1	4			2	13
1960	1		3		6			1	1	4	1	1		18
1961			1		5	1		1	4	1				13
1962		1	1		1				4	4				11
1963		3			5				4	4				16
Total	1	5	13	22	82	1	7	12	19	32	1	1	3	199

*Also includes "ground hogs"

It should be noted that the number of reported cases of rabies in rodents has decreased in recent years. This is at least partly due to the fact that the traditional examination of brain smears for Negri bodies has been widely supplemented, or replaced, by the fluorescent rabies antibody test. This more specific test has helped to eliminate the necessity of differentiating between Negri, and "Negri-like", inclusion bodies. Since inclusion bodies other than Negri bodies are frequently found in animal brain smears it seems likely that many false-positive diagnoses were made during the time when this test was almost exclusively used as a diagnostic criteria.

Occasional cases of rabies do occur in rodents of different species but certainly less frequently than even the scant number of reported cases indicates. Rabies infection in a rodent appears to be rare enough to merit the conduction of virus isolation and serum neutralizing identification tests on animal specimens suspected of being rabies-positive by other tests.

(Reported by Rabies Surveillance Unit, CDC)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS OCTOBER 1964 - OCTOBER 1963

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Area October 1964 and October 1963 - Provisional Data

Reporting Area	October		Cumulative Jan - Oct	
	1964	1963	1964	1963
NEW ENGLAND	37	56	402	395
Maine	1	2	5	9
New Hampshire	1	-	9	5
Vermont	-	1	3	7
Massachusetts	26	36	240	247
Rhode Island	-	2	13	15
Connecticut	9	15	132	112
MIDDLE ATLANTIC	486	703	4,570	5,111
Upstate New York	58	86	556	585
New York City	284	415	2,640	2,860
Pa. (Excl. Phila.)	24	34	154	144
Philadelphia	12	41	258	547
New Jersey	108	127	962	975
EAST NORTH CENTRAL	271	186	1,994	1,654
Ohio	74	34	471	324
Indiana	9	7	56	46
Downstate Illinois	14	15	128	101
Chicago	101	86	769	764
Michigan	60	37	506	367
Wisconsin	13	7	64	52
WEST NORTH CENTRAL	62	44	457	414
Minnesota	11	8	109	64
Iowa	4	1	28	25
Missouri	31	22	206	191
North Dakota	-	-	-	4
South Dakota	7	2	44	26
Nebraska	6	2	45	52
Kansas	3	9	25	52
SOUTH ATLANTIC	559	600	5,791	5,299
Delaware	6	5	75	44
Maryland	48	51	446	474
District of Columbia	53	46	610	599
Virginia	36	36	250	279
West Virginia	7	7	44	37
North Carolina	75	74	932	754
South Carolina	63	58	734	607
Georgia	90	106	969	913
Florida	181	217	1,731	1,592

Reporting Area	October		Cumulative Jan - Oct	
	1964	1963	1964	1963
EAST SOUTH CENTRAL	196	144	1,545	1,305
Kentucky	23	15	139	134
Tennessee	42	38	376	339
Alabama	83	71	753	584
Mississippi	48	20	277	248
WEST SOUTH CENTRAL	246	240	2,201	2,298
Arkansas	30	13	177	173
Louisiana	82	54	621	476
Oklahoma	9	21	122	164
Texas	125	152	1,281	1,485
MOUNTAIN	46	47	453	406
Montana	1	3	29	9
Idaho	2	-	6	6
Wyoming	-	5	8	15
Colorado	4	3	28	31
New Mexico	8	17	157	109
Arizona	21	13	184	171
Utah	1	2	9	15
Nevada	9	4	32	50
PACIFIC	187	254	1,861	1,859
Washington	3	17	64	106
Oregon	12	8	67	55
California	171	226	1,707	1,675
Alaska	1	1	9	6
Hawaii	-	2	14	17
U. S. TOTAL	2,090	2,274	19,274	18,741
TERRITORIES	100	128	747	698
Puerto Rico	95	126	722	683
Virgin Islands	5	2	25	15

Note: Cumulative Totals include revised and delayed reports through previous months.

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 7, 1964 AND NOVEMBER 9, 1963 (45TH WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	56	41	58	2	3	6	110	378	3	6	86	322
NEW ENGLAND.....	2	-	2	-	-	-	2	8	-	-	2	8
Maine.....	-	-	-	-	-	-	-	2	-	-	-	2
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	1	-	-	-	1
Massachusetts.....	-	-	-	-	-	-	-	3	-	-	-	3
Rhode Island.....	2	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	2	-	-	-	2	2	-	-	2	2
MIDDLE ATLANTIC.....	5	5	26	1	-	-	15	116	-	-	13	93
New York City.....	-	1	5	-	-	-	2	-	-	-	2	-
New York, Up-State.	3	3	1	-	-	-	10	9	-	-	9	6
New Jersey.....	2	-	12	-	-	-	3	4	-	-	2	3
Pennsylvania.....	-	1	8	1	-	-	-	103	-	-	-	84
EAST NORTH CENTRAL...	3	8	13	-	-	1	23	57	-	1	15	46
Ohio.....	-	-	3	-	-	-	3	8	-	-	2	4
Indiana.....	1	-	5	-	-	-	8	4	-	-	5	3
Illinois.....	1	6	4	-	-	-	5	17	-	-	5	16
Michigan.....	1	2	1	-	-	1	4	20	-	1	2	20
Wisconsin.....	-	-	-	-	-	-	3	8	-	-	1	3
WEST NORTH CENTRAL...	4	-	1	-	1	-	10	6	1	-	8	5
Minnesota.....	4	-	-	-	-	-	3	4	-	-	2	4
Iowa.....	-	-	-	-	1	-	1	-	1	-	1	-
Missouri.....	-	-	-	-	-	-	4	-	-	-	3	-
North Dakota.....	-	-	-	-	-	-	1	1	-	-	1	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	1	-	-	-	1
Kansas.....	-	-	1	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	5	2	5	-	2	3	33	70	2	3	27	60
Delaware.....	-	-	-	-	-	-	-	1	-	-	-	1
Maryland.....	-	-	1	-	-	-	1	1	-	-	1	1
Dist. of Columbia..	2	-	-	-	-	-	-	1	-	-	-	-
Virginia.....	1	2	1	-	-	-	4	18	-	-	4	13
West Virginia.....	-	-	1	-	-	-	1	3	-	-	1	3
North Carolina.....	-	-	-	-	1	-	12	3	1	-	7	3
South Carolina.....	1	-	-	-	-	-	3	7	-	-	3	6
Georgia.....	-	-	-	-	1	2	2	21	1	2	2	20
Florida.....	1	-	2	-	-	1	10	15	-	1	9	13
EAST SOUTH CENTRAL...	8	1	3	-	-	1	6	70	-	1	5	64
Kentucky.....	7	-	1	-	-	-	-	-	-	-	-	-
Tennessee.....	1	1	-	-	-	-	3	10	-	-	2	9
Alabama.....	-	-	-	-	-	1	2	52	-	1	2	47
Mississippi.....	-	-	2	-	-	-	1	8	-	-	1	8
WEST SOUTH CENTRAL...	3	2	1	-	-	1	10	24	-	1	8	23
Arkansas.....	-	-	1	-	-	-	-	4	-	-	-	3
Louisiana.....	-	-	-	-	-	-	-	13	-	-	-	13
Oklahoma.....	-	1	-	-	-	-	3	-	-	-	2	-
Texas.....	3	1	-	-	-	1	7	7	-	1	6	7
MOUNTAIN.....	2	2	-	-	-	-	8	6	-	-	5	5
Montana.....	-	-	-	-	-	-	1	-	-	-	1	-
Idaho.....	-	-	-	-	-	-	1	1	-	-	1	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	1	1	-	-	-	-	1	1	-	-	1	1
New Mexico.....	-	-	-	-	-	-	3	1	-	-	-	-
Arizona.....	1	1	-	-	-	-	-	3	-	-	-	3
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	24	21	7	1	-	-	3	21	-	-	3	18
Washington.....	1	2	2	-	-	-	-	2	-	-	-	2
Oregon.....	-	-	2	-	-	-	1	2	-	-	1	1
California.....	23	19	3	1	-	-	2	17	-	-	2	15
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	---	-	---	---	---	-	-	-	---	-	-	-
Puerto Rico	-	-	-	-	-	-	-	5	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 7, 1964 AND NOVEMBER 9, 1963 (45TH WEEK) - CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	1	347	7	241	666	333	295	38	33,087	37,499	38	401
NEW ENGLAND.....	-	2	-	44	47	24	18	5	2,992	4,220	1	17
Maine.....	-	-	-	39	14	8	5	1	936	1,883	-	-
New Hampshire.....	-	-	-	-	1	-	1	-	231	507	-	-
Vermont.....	-	-	-	-	4	2	-	2	359	110	-	-
Massachusetts.....	-	2	-	5	17	12	4	1	680	1,088	1	8
Rhode Island.....	-	-	-	-	2	-	1	1	182	99	-	6
Connecticut.....	-	-	-	-	9	2	7	-	604	533	-	3
MIDDLE ATLANTIC.....	-	5	-	10	144	73	71	-	7,295	7,416	3	64
New York City.....	-	-	-	5	29	11	18	-	1,129	1,157	1	33
New York, Up-State.	-	2	-	-	57	30	27	-	3,155	3,191	2	12
New Jersey.....	-	-	-	2	19	10	9	-	1,231	1,098	-	2
Pennsylvania.....	-	3	-	3	39	22	17	-	1,780	1,970	-	17
EAST NORTH CENTRAL...	-	49	-	8	118	58	54	6	5,218	6,042	1	80
Ohio.....	-	5	-	-	37	22	12	3	1,376	1,649	-	19
Indiana.....	-	1	-	1	7	3	4	-	442	538	-	24
Illinois.....	-	28	-	6	22	9	13	-	969	1,282	1	23
Michigan.....	-	6	-	1	47	23	24	-	2,072	2,297	-	11
Wisconsin.....	-	9	-	-	5	1	1	3	359	276	-	3
WEST NORTH CENTRAL...	-	142	-	34	47	33	13	1	1,801	1,653	1	30
Minnesota.....	-	9	-	18	5	3	2	-	213	259	-	3
Iowa.....	-	88	-	-	26	20	5	1	310	306	-	4
Missouri.....	-	10	-	1	3	2	1	-	442	565	1	13
North Dakota.....	-	2	-	2	1	-	1	-	63	76	-	2
South Dakota.....	-	17	-	2	1	1	-	-	131	110	-	1
Nebraska.....	-	13	-	4	-	-	-	-	48	113	-	3
Kansas.....	-	3	-	7	11	7	4	-	594	224	-	4
SOUTH ATLANTIC.....	-	36	6	66	55	25	29	1	3,098	3,798	23	92
Delaware.....	-	-	-	-	1	-	1	-	68	72	-	-
Maryland.....	-	-	-	-	2	2	-	-	557	479	1	8
Dist. of Columbia..	-	-	-	-	1	-	1	-	64	106	-	-
Virginia.....	-	16	4	4	13	5	8	-	491	758	-	11
West Virginia.....	-	-	-	-	7	4	3	-	441	578	-	-
North Carolina.....	-	4	1	1	10	8	2	-	513	954	-	19
South Carolina.....	-	-	-	7	6	1	5	-	125	154	-	11
Georgia.....	-	12	-	29	4	-	4	-	103	166	22	27
Florida.....	-	4	1	25	11	5	5	1	736	531	-	16
EAST SOUTH CENTRAL...	-	18	1	26	45	25	18	2	2,272	3,476	5	39
Kentucky.....	-	6	-	-	14	7	5	2	800	1,005	-	10
Tennessee.....	-	5	-	2	15	8	7	-	802	1,361	1	17
Alabama.....	-	4	1	19	12	6	6	-	444	544	1	7
Mississippi.....	-	3	-	5	4	4	-	-	226	566	3	5
WEST SOUTH CENTRAL...	1	42	-	36	42	19	22	1	2,576	2,590	1	32
Arkansas.....	-	6	-	3	-	-	-	-	255	288	1	14
Louisiana.....	-	4	-	10	11	3	7	1	629	532	-	5
Oklahoma.....	-	7	-	-	3	-	3	-	125	117	-	9
Texas.....	1	25	-	23	28	16	12	-	1,567	1,653	-	4
MOUNTAIN.....	-	31	-	3	39	7	10	22	1,996	2,381	2	12
Montana.....	-	-	-	-	1	-	1	-	171	306	-	-
Idaho.....	-	-	-	-	4	-	-	4	280	408	-	-
Wyoming.....	-	-	-	-	1	1	-	-	80	32	-	1
Colorado.....	-	-	-	-	9	1	-	8	525	485	-	-
New Mexico.....	-	1	-	1	7	3	4	-	276	282	2	4
Arizona.....	-	2	-	2	10	-	-	10	439	538	-	7
Utah.....	-	27	-	-	7	2	5	-	174	312	-	-
Nevada.....	-	1	-	-	-	-	-	-	51	18	-	-
PACIFIC.....	-	22	-	14	129	69	60	-	5,839	5,923	1	35
Washington.....	-	-	-	13	10	4	6	-	589	1,009	-	2
Oregon.....	-	2	-	-	7	4	3	-	591	708	-	-
California.....	-	20	-	1	99	48	51	-	4,287	3,991	1	33
Alaska.....	-	-	-	-	13	13	-	-	260	174	-	-
Hawaii.....	---	-	---	-	---	---	---	---	112	41	---	-
Puerto Rico	-	-	-	12	12	12	-	-	866	766	-	13

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
NOVEMBER 7, 1964 AND NOVEMBER 9, 1963 (45TH WEEK) - CONTINUED

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	1,885	50	2,345	2,067	7,180	6,090	4	244	5	291	56	3,914
NEW ENGLAND.....	446	1	76	125	580	916	-	9	-	1	-	33
Maine.....	73	-	6	18	67	543	-	-	-	-	-	28
New Hampshire.....	24	-	2	4	-	1	-	-	-	-	-	2
Vermont.....	9	-	4	5	1	-	-	-	-	-	-	2
Massachusetts.....	174	-	31	58	75	55	-	9	-	1	-	1
Rhode Island.....	72	-	10	11	47	30	-	-	-	-	-	-
Connecticut.....	94	1	23	29	390	287	-	-	-	-	-	-
MIDDLE ATLANTIC.....	196	10	312	284	277	220	1	21	-	-	-	112
New York City.....	12	2	44	44	12	9	-	-	-	-	-	-
New York, Up-State.	34	5	91	91	214	172	-	7	-	-	-	106
New Jersey.....	16	3	102	41	22	27	-	6	-	-	-	-
Pennsylvania.....	134	-	75	108	29	12	1	8	-	-	-	6
EAST NORTH CENTRAL...	224	9	321	313	711	440	1	46	-	22	6	551
Ohio.....	91	4	85	83	91	86	-	12	-	1	-	278
Indiana.....	27	2	51	42	152	68	1	13	-	2	3	28
Illinois.....	14	3	83	63	88	72	-	13	-	14	2	107
Michigan.....	42	-	71	92	248	127	-	7	-	2	1	53
Wisconsin.....	50	-	31	33	132	87	-	1	-	3	-	85
WEST NORTH CENTRAL...	92	1	135	126	371	224	-	17	1	56	20	1,192
Minnesota.....	3	-	29	24	12	23	-	4	-	2	4	372
Iowa.....	31	-	8	7	66	46	-	6	-	1	10	430
Missouri.....	10	1	61	36	54	18	-	4	1	30	2	179
North Dakota.....	45	-	20	14	137	67	-	-	-	-	1	57
South Dakota.....	3	-	3	7	19	4	-	1	-	15	2	84
Nebraska.....	-	-	6	25	-	-	-	-	-	-	-	35
Kansas.....	NN	-	8	13	83	66	-	2	-	8	1	35
SOUTH ATLANTIC.....	130	10	473	383	867	556	2	60	1	29	5	535
Delaware.....	-	-	6	4	11	2	-	-	-	-	-	-
Maryland.....	3	1	34	53	100	4	-	3	-	-	-	2
Dist. of Columbia..	-	-	16	7	14	4	-	1	-	1	-	-
Virginia.....	24	1	57	85	244	154	-	7	-	6	2	281
West Virginia.....	78	1	35	20	277	179	-	1	-	-	-	33
North Carolina.....	4	-	78	70	15	28	2	15	-	7	-	5
South Carolina.....	6	-	55	20	24	78	-	5	-	-	-	2
Georgia.....	2	7	79	33	22	6	-	4	1	14	1	115
Florida.....	13	-	113	91	160	101	-	24	-	1	2	97
EAST SOUTH CENTRAL...	160	2	183	145	1,496	1,046	-	32	-	30	11	513
Kentucky.....	49	2	60	31	189	144	-	8	-	2	-	57
Tennessee.....	98	-	56	67	1,155	827	-	12	-	20	11	382
Alabama.....	13	-	43	24	91	28	-	7	-	3	-	17
Mississippi.....	-	-	24	23	61	47	-	5	-	5	-	57
WEST SOUTH CENTRAL...	157	1	216	186	560	576	-	27	3	101	13	553
Arkansas.....	-	-	27	14	-	2	-	8	3	61	4	135
Louisiana.....	-	-	126	74	1	2	-	4	-	6	4	57
Oklahoma.....	1	1	13	31	22	8	-	1	-	20	1	90
Texas.....	156	-	50	67	537	564	-	14	-	14	4	271
MOUNTAIN.....	305	2	80	73	1,498	1,212	-	6	-	49	-	139
Montana.....	177	-	1	3	84	47	-	-	-	19	-	1
Idaho.....	22	-	3	6	85	54	-	1	-	-	-	-
Wyoming.....	1	-	5	7	211	192	-	2	-	10	-	-
Colorado.....	14	-	14	20	527	425	-	-	-	-	-	8
New Mexico.....	63	2	32	4	179	221	-	1	-	-	-	52
Arizona.....	2	-	8	11	164	136	-	1	-	-	-	65
Utah.....	26	-	7	18	248	137	-	1	-	20	-	2
Nevada.....	-	-	10	4	-	-	-	-	-	-	-	11
PACIFIC.....	175	14	549	432	820	900	-	26	-	3	1	286
Washington.....	70	2	43	39	164	169	-	3	-	-	-	-
Oregon.....	20	-	21	32	29	29	-	1	-	1	-	10
California.....	80	12	465	337	607	541	-	21	-	2	1	276
Alaska.....	5	-	7	12	20	53	-	-	-	-	-	-
Hawaii.....	---	---	13	12	---	108	---	1	---	-	---	-
Puerto Rico	41	-	32	9	-	8	1	61	-	-	-	25

Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	10/17	10/24	10/31	11/7
NEW ENGLAND:				
Boston, Mass.	241	259	243	264
Bridgeport, Conn.	39	37	30	39*
Cambridge, Mass.	24	29	30	24
Fall River, Mass.	21	26	25	23
Hartford, Conn.	53	61	49	49
Lowell, Mass.	32	24	24	15
Lynn, Mass.	18	30	24	19
New Bedford, Mass.	29	24	29	30
New Haven, Conn.	41	41	57	52
Providence, R.I.	56	77	73	57
Somerville, Mass.	18	19	14	13
Springfield, Mass.	46	56	39	38
Waterbury, Conn.	30	32	25	37
Worcester, Mass.	63	46	65	60
MIDDLE ATLANTIC:				
Albany, N.Y.	55	47	59	54
Allentown, Pa.	41	48	35	42
Buffalo, N.Y.	163	160	149	151
Camden, N.J.	45	57	44	33
Elizabeth, N.J.	34	21	30	30
Erie, Pa.	41	37	40	41
Jersey City, N.J.	70	76	62	79
Newark, N.J.	97	97	86	106
New York City, N.Y.	1,721	1,727	1,691	1,701
Paterson, N.J.	25	39	42	36
Philadelphia, Pa.	496	597	516	414
Pittsburgh, Pa.	205	197	197	174
Reading, Pa.	39	48	56	62
Rochester, N.Y.	113	120	101	108
Schenectady, N.Y.	27	22	24	19
Scranton, Pa.	40	39	51	36
Syracuse, N.Y.	53	85	44	47
Trenton, N.J.	43	41	36	28
Utica, N.Y.	33	41	29	33
Yonkers, N.Y.	26	37	26	35
EAST NORTH CENTRAL:				
Akron, Ohio	68	48	49	71
Canton, Ohio	44	49	43	38
Chicago, Ill.	729	772	754	661
Cincinnati, Ohio	148	175	169	158
Cleveland, Ohio	210	206	239	214
Columbus, Ohio	113	124	126	124
Dayton, Ohio	94	65	88	80
Detroit, Mich.	319	380	369	354
Evansville, Ind.	37	42	41	46
Flint, Mich.	28	43	41	55
Fort Wayne, Ind.	48	51	44	39
Gary, Ind.	41	33	24	35
Grand Rapids, Mich.	48	49	40	38
Indianapolis, Ind.	166	159	145	152
Madison, Wis.	50	70	40	26
Milwaukee, Wis.	139	129	131	134
Peoria, Ill.	35	29	25	36
Rockford, Ill.	22	31	36	25
South Bend, Ind.	42	26	44	41
Toledo, Ohio	117	105	95	102
Youngstown, Ohio	55	55	40	56
WEST NORTH CENTRAL:				
Des Moines, Iowa	40	61	60	55
Duluth, Minn.	27	31	37	19
Kansas City, Kans.	43	36	51	28
Kansas City, Mo.	161	127	120	140
Lincoln, Nebr.	16	37	47	32
Minneapolis, Minn.	131	131	120	110
Omaha, Nebr.	79	66	69	102
St. Louis, Mo.	259	253	207	202
St. Paul, Minn.	76	78	69	75
Wichita, Kans.	56	44	41	43
SOUTH ATLANTIC:				
Atlanta, Ga.	153	132	103	135
Baltimore, Md.	246	286	265	253
Charlotte, N.C.	42	31	34	67
Jacksonville, Fla.	54	71	51	77
Miami, Fla.	86	83	69	63
Norfolk, Va.	74	49	68	75
Richmond, Va.	85	91	93	82
Savannah, Ga.	24	50	28	27
St. Petersburg, Fla.	53	49	82	84
Tampa, Fla.	55	65	58	71
Washington, D.C.	202	177	191	214
Wilmington, Del.	41	37	57	43
EAST SOUTH CENTRAL:				
Birmingham, Ala.	85	88	89	91
Chattanooga, Tenn.	47	47	50	37
Knoxville, Tenn.	41	34	52	26
Louisville, Ky.	60	176	156	127
Memphis, Tenn.	121	136	132	162
Mobile, Ala.	43	44	45	43
Montgomery, Ala.	22	36	38	43
Nashville, Tenn.	85	106	100	93
WEST SOUTH CENTRAL:				
Austin, Tex.	48	49	39	44
Baton Rouge, La.	60	27	44	33
Corpus Christi, Tex.	17	23	13	23
Dallas, Tex.	147	156	145	131
El Paso, Tex.	30	23	37	31
Fort Worth, Tex.	55	74	77	69
Houston, Tex.	191	190	169	182
Little Rock, Ark.	43	56	72	52
New Orleans, La.	192	198	172	168
Oklahoma City, Okla.	87	63	74	81
San Antonio, Tex.	103	111	104	102
Shreveport, La.	55	52	33	56
Tulsa, Okla.	58	76	70	51
MOUNTAIN:				
Albuquerque, N. Mex.	34	31	30	32
Colorado Springs, Colo.	11	19	29	21
Denver, Colo.	122	127	109	112
Ogden, Utah	13	24	14	16
Phoenix, Ariz.	79	111	64	87
Pueblo, Colo.	19	14	17	16
Salt Lake City, Utah	48	39	56	55
Tucson, Ariz.	39	54	44	37
PACIFIC:				
Berkeley, Calif.	14	16	18	18
Fresno, Calif.	37	42	55	47
Glendale, Calif.	33	41	34	22
Honolulu, Hawaii	37	44	37	40
Long Beach, Calif.	52	80	54	70
Los Angeles, Calif.	506	525	526	448
Oakland, Calif.	146	86	85	86
Pasadena, Calif.	33	38	22	30
Portland, Oreg.	100	122	96	109
Sacramento, Calif.	67	66	56	66
San Diego, Calif.	96	99	95	97
San Francisco, Calif.	166	219	183	156
San Jose, Calif.	42	31	48	43
Seattle, Wash.	149	125	140	116
Spokane, Wash.	52	37	52	34
Tacoma, Wash.	33	44	39	43

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	11,279
4(B) Pneumonia-Influenza Deaths, all ages	446
4(C) Total Deaths under 1 Year of Age	740
4(D) Total Deaths, Persons 65 years and over	6,250

NOTE: All deaths by place of occurrence.

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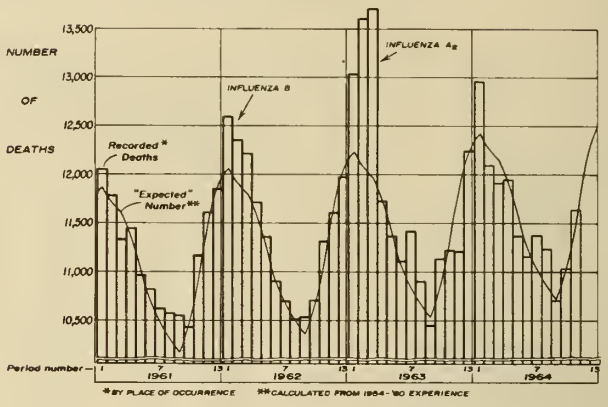
TOTAL DEATHS REPORTED IN 108 CITIES

The weekly average number of total deaths in 108 cities for the four-week period ending November 7 was 11,632 as compared with an expected weekly average of 11,502.

	Week Ending				4-Week	Weekly
	10/17	10/24	10/31	11/7	Total	Average
Observed	11,623	12,088	11,538	11,279	46,528	11,632
Expected	11,291	11,427	11,572	11,719	46,009	11,502
Excess	332	661	-34	-440	519	130

TOTAL DEATHS RECORDED IN 108 U.S. CITIES
Average Number per Week by Four-Week Periods



(See table page 403)

DENGUE FEVER – New Jersey

A case of dengue fever imported into New Jersey from Venezuela has been reported. The victim was an adult male Venezuelian who traveled by ship from Venezuela to Philadelphia. En route, he developed a high temperature of 103° – 104°F, shaking chills, migrating joint pains and a maculopapular rash. He was hospitalized in New Jersey in May and made a complete recovery. Serological specimens were positive for Group B arbovirus by complement fixation and hemagglutination-inhibition tests. This probably represented a case of dengue fever contracted in Venezuela where it was epidemic at that time.

(Reported by W. J. Dougherty, M.D., Director, Division of Preventive Disease Control Programs, New Jersey State Department of Health).

Editor's Note: During the period May 31 to August 9, 10,660 cases of dengue were reported in Venezuela. *(Weekly Epidemiological Report of the Pan American Sanitary Bureau, September 9, 1964)*

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.

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